BLOCKED STEAM TRAP DETECTOR

Near real-time monitoring collected by sensors to give insight into processes leading up to, and immediately after an event.

Identify failure of non-critical steam-using plant earlier, allowing for easier prioritisation of maintenance to maximise uptime.

Air and water heating plant is essential to operations, but can suffer from premature failure due to problems associated with blocked steam traps and poor condensate removal. Steam trap blockages can be difficult to identify, but cause down-the-line symptoms, such as poor heating performance or leakages from coils and heat exchangers.

Early identification and replacement of failed steam traps can help to mitigate these symptoms and extend plant performance.

- Non-intrusive, wireless temperature monitoring of steam-traps, requiring no down time for installation.
- Ability to include temperature monitoring of non-critical plant to better qualify and diagnose symptoms of trap failures.
- Continuous access to data through cloud-based monitoring platform.
- Analysis and recommendations from a connected steam system expert.

BENEFITS

PROCESS PRODUCTIVITY

Maximise uptime of steam-using plant and reduce likelihood of plant damage caused by blockages and retained condensate.

SAFETY & HAZARD RISK

Reduce the risk to personnel from water hammer, due to presence of backed-up condensate in the steam lines.

MAINTENANCE & REPAIR

Identify failed steam traps and investigate repeat offenders to protect against future failure.

First for Steam Solutions

EXPERTISE | SOLUTIONS | SUSTAINABILITY

spirax sarco

MONITOR YOUR SYSTEMS HEALTH THE RIGHT WAY

EQUIPMENT

The supply and installation of suitable, non-intrusive sensoring equipment (zero downtime) and an independent wireless network, for the period of the installation.

DASHBOARD

24/7 access to Spirax Sarco's Digital Dashboard tool, providing insights into data trends and alarm threshold visualisation, for a period of 12-months.

REPORTING

Two level reporting

Operational status review and report issued within 6-12 weeks of connection. Followed by a second report towards the end of the 12-month period.

REVIEW

Each report is supported by a discussion, either in person or remote with a Spirax Sarco steam specialist.

In addition, Spirax Sarco provide an annual steam system diagnostic check and review alarm thresholds, validating both sensor and Digital Dashboard functions and settings.

EQUIPMENT SPECIFICATION

Sensors

- 2 x PT1000 temperature sensors.
- Sensing range from -180 to +250 °C, each with 2-metre cable.
- Powered by replaceable 3.6 V lithium battery with low level alert.
- IP-rating of IP65.
- For use indoors or outdoors within industrial environments.

Gateway

- Plug and play gateway with LoRaWAN interface and 4G connectivity.
- Supplied with roaming SIM card, mains power cable and LoRa antenna* (* on selected models).
- IP-rating IP20.
- For use indoors in dry environments.

DASHBOARD SPECIFICATION

Dashboard

- Accessed anywhere, any time, on any device with a web-browser.
- Data historian for remote trending of process values, in near-real-time and historically.
- Hosted on Microsoft Azure for high availability, up-time and data security.

Get connected, today!

Contact your local sales representative

spiraxsarco.com

SCAN ME

SB-F01-29-EN-ISS1

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